

## **ABSTRACT**

The invention includes systems and methods for stimulating intramuscular angiogenesis by placing a biocompatible device within the tissue of a muscle. The biocompatible device is dimensionally adapted for placement within the tissue of a muscle. Placement of the biocompatible device within the muscle can take place according to the method of the invention by using techniques familiar to those of ordinary skill in the art. Illustrative techniques for placement of the device within the myocardium comprise one practice of the method of the invention.